



interference spectrometer grating

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)

Scholar

Results 1 - 10 of about 7,290 for **interference spectrometer grating**. (0.04 seconds)

### **Interference Filters and Fabry-Perot Interferometers for the Far Infrared**

KF Renk, L Genzel - Appl. Opt, 1962 - [ao.osa.org](#)... approximately those expected from the theoretical values of absorptivity of a single **grating**, together with ... C. **Interference Filter Spectrometer** With the ...Cited by 33 - [Web Search](#) - [aoot.osa.org](#) - [ao.osa.org](#)

### **ISO long-wavelength spectrometer**

PE Clegg, PAR Ade, C Armand, JP Baluteau, MJ ... - Infrared spaceborne remote sensing, 1993 - [people.uleth.ca](#)... given by  $=n$ , where  $n$  is the order of **interference**. ... PE Clegg et al.: The ISO Long-Wavelength **Spectrometer** ... This **grating**-mode AOT results in a medium-resolution ...Cited by 258 - [View as HTML](#) - [Web Search](#) - [ir.isas.ac.jp](#) - [isowww.estec.esa.nl](#) - [iso.vilspa.esa.es](#) - [all 10 versions »](#)

### **X-ray calibration of the AXAF Low Energy Transmission Grating Spectrometer: effective area**

P Predehl, HW Braeuninger, AC Brinkman, D Dewey, ... - Proceedings of SPIE, 1997 - [adsabs.harvard.edu](#)... the effective area of the **spectrometer**, respectively ... of partial transparency of the **grating** wires; inside ... efficiency gains from constructive **interference** effects ...Cited by 20 - [Web Search](#) - [link.aip.org](#) - [csa.com](#)

### **A rapid-scanning interference spectrometer: application to low-level thermoluminescence emission**

IK Bailiff, DA Morris, MJ Aitken - Journal of Physics E: Scientific Instruments, 1977 - [iop.org](#)... In the construction of a **spectrometer** of high aperture ( $f/2$ ), **interference** filters were ... either side of the blaze wavelength for a **grating** instrument, or ...Cited by 5 - [Web Search](#) - [iop.org](#) - [adsabs.harvard.edu](#)

### **... Fourier transform spectrometer to the detection of wavelength-encoded signals from Bragg grating ...**

MA Davis, AD Kersey - Journal of Lightwave Technology, 1995 - [ieeexplore.ieee.org](#)... induced fading" of the output **interference** signal, where ... FTS system developed and the **grating** sensor array ... the fiber Fourier transform **spectrometer**, which is ...Cited by 22 - [Web Search](#) - [ieeexplore.ieee.org](#)

### **Frequency-domain interferometer for femtosecond time-resolved phase spectroscopy**

E Tokunaga, A Terasaki, T Kobayashi - Opt. Lett, 1992 - [ol.osa.org](#)... dependent signals can be Fourier transformed by a **grating** in a **spectrometer** and detected ... w(T), which represents the frequency-domain **interference** with the ...Cited by 39 - [Web Search](#) - [ol.osa.org](#) - [adsabs.harvard.edu](#)

### **Diffraction grating transmission efficiencies for XUV and soft X rays. A**

HW Schnopper, LP Van Speybroeck, JP Delvaille, A ... - 1977 - [ao.osa.org](#)... A second objective **grating spectrometer** developed for extrasolar x ... 1 is a schematic of the **grating** production process ... beam ex- poses an **interference** pattern on ...Cited by 25 - [Web Search](#) - [aoot.osa.org](#) - [adsabs.harvard.edu](#) - [csa.com](#) - [all 5 versions »](#)

### **Dispersive interferometric profilometer**

J Schwider, L Zhou - 1994 - [ol.osa.org](#)... the light of a slit re- gion with the help of a **grating spectrometer**. ... for a unique OPD determination that in the case of a Fizeau **interference** pattern provides ...Cited by 31 - [Web Search](#) - [ol.osa.org](#) - [adsabs.harvard.edu](#)

### **[PS] Observing with the ISO Short-Wavelength Spectrometer**

T de Graauw, LN Haser, DA Beintema, PR Roelfsema, ... - ASTROPHYSICS, 1996 - [sron.rug.nl](#)



interference spectrometer dispersive

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)

Scholar

Results 1 - 10 of about 4,180 for **interference spectrometer dispersive**. (0.03 seconds)**Dispersive interferometric profilometer**J Schwider, L Zhou - 1994 - [ol.osa.org](#)... The **interference** pattern can be evaluated by ... This device is called a **dispersive** interferometric profilometer ... it comprises an interferometer and a **spectrometer**. ...Cited by 31 - [Web Search](#) - [ol.osa.org](#) - [adsabs.harvard.edu](#)**High-resolution, energy-dispersive microcalorimeter spectrometer for X-ray microanalysis**DA WOLLMAN, KD IRWIN, GC HILTON, LL DULCIE, DE ... - Journal of Microscopy, 1997 - [boulder.nist.gov](#)... ADR), a superconducting quantum **interference** device (SQUID ... With the **spectrometer** mounted on a scanning electron ... resolution for any energy-dispersive detector. ...Cited by 44 - [View as HTML](#) - [Web Search](#) - [qdev.boulder.nist.gov](#) - [boulder.nist.gov](#) - [museum.nist.gov](#) - all 5 versions »**Using interference in the frequency domain for precise determination of thickness and refractive ...**VN Kumar, DN Rao - J. Opt. Soc. Am. B, 1995 - [josab.osa.org](#)... The **dispersive** material is introduced into either arm 1 ... with a 50-cm grating **spectrometer** (Jobin-Yvon ... Consider the **interference** of two light beams described by ...Cited by 18 - [Web Search](#) - [josabdev.osa.org](#) - [josab.osa.org](#) - [adsabs.harvard.edu](#)**Multichannel Fourier transform infrared spectrometer**M Hashimoto, S Kawata - 1992 - [ao.osa.org](#)... (b) The spectrum of the same sample but by a **dispersive** grating **spectrometer**. trum includes an **interference** fringe caused by the ...Cited by 19 - [Web Search](#) - [aoot.osa.org](#) - [ao.osa.org](#) - [adsabs.harvard.edu](#)**Laboratory grazing-emission x-ray fluorescence spectrometer**PK de Bokx, HP Urbach - Review of Scientific Instruments, 1995 - [link.aip.org](#)... grazing-emission x-ray fluorescence (GEXRF) **spectrometer**. ... utilizes in vacuo wavelength-dispersive detection ... It is demonstrated that **interference** fringes in the ...Cited by 12 - [Web Search](#) - [adsabs.harvard.edu](#)**Dispersive spectral-domain two-beam interference analysed by a fibre-optic spectrometer**P Hlubina - Journal of Modern Optics, 2004 - [taylorandfrancis.metapress.com](#)... Figure 1. Experimental set-up for the investigation of the effect of a fibre-optic **spectrometer** on analysed **dispersive** two-beam **interference**. ...Cited by 3 - [Web Search](#) - [ingentaconnect.com](#)**... temperature and strain measurement with a dispersive optical fiber Fourier-transform spectrometer**DA Flavin, R McBride, JDC Jones, JG Burnett, AH ... - Opt. Lett, 1994 - [ol.osa.org](#)... **dispersive** optical fiber Fourier-transform **spectrometer** DA Flavin ... P, polarizer; A, attenuator; MTS, motorized translation stage; IF, **interference** filter ...Cited by 6 - [Web Search](#) - [ol.osa.org](#) - [adsabs.harvard.edu](#)**... to measure the wavelength dependence of the spectral bandpass of a fibre-optic spectrometer**P Hlubina, I Gurov, V Chugunov - Journal of Modern Optics, 2003 - [taylorandfrancis.metapress.com](#)... domain **interference** of two beams from a white-light source resolved at the output of a non-dispersive Michelson interferometer by a fibre-optic **spectrometer** ...Cited by 8 - [Web Search](#)**Versatile X-UV spectrogoniometer with multilayer interference mirrors**M Arbaoui, JM André, P Couillaux, R Barchewitz - Review of Scientific Instruments, 1985 - [link.aip.org](#)



fourier transform spectrometer dispersive

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)

Scholar

Results 1 - 10 of about 4,080 for **fourier transform spectrometer dispersive**. (0.03 seconds)**Multichannel Fourier transform infrared spectrometer**M Hashimoto, S Kawata - 1992 - [ao.osa.org](#)... of **spectrometer**, which is called a multichannel **dispersive spectrometer** (MCDS), features ... of the MCDS technique compared with **Fourier transform** spectroscopy ...Cited by 19 - [Web Search](#) - [aoot.osa.org](#) - [ao.osa.org](#) - [adsabs.harvard.edu](#)**Fourier transform spectrometer with a self-scanning photodiode array**T OKAMOTO, S KAWATA, S MINAMI - Applied Optics, 1984 - [ao.osa.org](#)... By inserting a **dispersive** element into the optical path behind lens L, the phase of the central fringes ... 1) of the **Fourier transform spectrometer** we developed ...Cited by 29 - [Web Search](#) - [aoot.osa.org](#) - [csa.com](#) - [adsabs.harvard.edu](#) - [all 6 versions »](#)**... temperature and strain measurement with a dispersive optical fiber Fourier-transform spectrometer**DA Flavin, R McBride, JDC Jones, JG Burnett, AH ... - Opt. Lett, 1994 - [ol.osa.org](#)... 19, No. 24 / OPTICS LETTERS 2167 Combined temperature and strain measurement with a **dispersive** optical fiber **Fourier-transform spectrometer** DA Flavin ...Cited by 6 - [Web Search](#) - [ol.osa.org](#) - [adsabs.harvard.edu](#)**Experimental Realization of the Multiplex Advantage with a Hadamard-Transform Spectrometer**JA Decker Jr - Appl. Opt, 1971 - [ao.osa.org](#)... Given an existing **dispersive spectrometer** (or, more ... from a Hadamard-transform **spectrometer** lacks the ... straight-forward **fourier-transform** spectrometers," and ...Cited by 17 - [Web Search](#) - [csa.com](#)**Design of a static Fourier-transform spectrometer with increased field of view**J Courtial, BA Patterson, AR Harvey, W Sibbett, MJ ... - 1996 - [ao.osa.org](#)... **Fourier-transform** FT spectrometers can have a significantly higher étendue than **dispersive** instruments with ... 1 In a FT **spectrometer** the output ...Cited by 13 - [Web Search](#) - [ao.osa.org](#) - [adsabs.harvard.edu](#)**Dispersive interferometric profilometer**J Schwider, L Zhou - 1994 - [ol.osa.org](#)... 1. Schematic of the **dispersive** interferometric profilometer ... the help of the fast-**Fourier-transform** method of ... Provided that the **spectrometer** has been calibrated ...Cited by 31 - [Web Search](#) - [ol.osa.org](#) - [adsabs.harvard.edu](#)**Fourier Transform Infrared Techniques For Probing Membrane-Protein Structure**MS Braiman, KJ Rothschild - Annual Review of Biophysics and Biophysical Chemistry, 1988 - [plant.annualreviews.org](#)... of 7, can be obtained from a **Fourier transform** of the ... to the fact that the **Fourier transform** ... to stray light signals in a **dispersive spectrometer**, is excluded ...Cited by 54 - [Web Search](#) - [fluid.annualreviews.org](#) - [ncbi.nlm.nih.gov](#)**Monolithic Fourier transform imaging spectrometer**JB Rafter, RG Sellar, JH Blatt - 1995 - [ao.osa.org](#)... Key words: **Fourier-transform spectrometer**, Sagnac interferometer ... tially modulated **Fourier-transform** spectrometers based ... advantage over **dispersive** spectrometers ...Cited by 14 - [Web Search](#) - [aoot.osa.org](#) - [ao.osa.org](#) - [adsabs.harvard.edu](#)[CITATION] Comparison of **Fourier transform** and **dispersive** near infrared reflectance spectroscopy for apple ...



fourier transform spectrometer grating

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)

Scholar

Results 1 - 10 of about 4,950 for **fourier transform spectrometer grating**. (0.03 seconds)

### ... **Fourier transform spectrometer** to the detection of wavelength-encoded signals from Bragg grating ...

MA Davis, AD Kersey - Journal of Lightwave Technology, 1995 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)... SYSTEM The fiber FTS system developed and the **grating** sensor array is ... from the gratings are directed into the fiber **Fourier transform spectrometer**, which is ...Cited by 22 - [Web Search](#) - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

### A **Fourier transform spectrometer** for the vacuum ultraviolet: Design and performance.

AP Thorne, CJ Harris, I Wynne-Jones, RCM Learner, ... - J. PHYS. E: SCI. INSTRUM., 1987 - [iop.org](http://iop.org)... A **Fourier transform spectrometer** designed to operate at high resolution at wavelengths ... iv) a significant luminosity gain over **grating** spectrometers operating ...Cited by 32 - [Web Search](#) - [csa.com](http://csa.com) - [adsabs.harvard.edu](http://adsabs.harvard.edu) - [all 4 versions »](#)

### Multichanel **Fourier transform infrared spectrometer**

M Hashimoto, S Kawata - 1992 - [ao.osa.org](http://ao.osa.org)... is called a multichannel dispersive **spectrometer** (MCDS), features no **grating** scanning, and ... tech- nique compared with **Fourier transform** spectroscopy ...Cited by 19 - [Web Search](#) - [aoot.osa.org](http://aoot.osa.org) - [ao.osa.org](http://ao.osa.org) - [adsabs.harvard.edu](http://adsabs.harvard.edu)

### Raman spectroscopy of gases with a **Fourier transform spectrometer**- The spectrum of D 2

DE JENNINGS, A WEBER, JW BRAULT - Applied Optics, 1986 - [ao.osa.org](http://ao.osa.org)... Since the spectral resolu- tion in a **grating spectrometer** is adjusted by ... **Fourier transform** spectrometers have potential ad- vantages for Raman spectroscopy. ...Cited by 12 - [Web Search](#) - [aoot.osa.org](http://aoot.osa.org) - [csa.com](http://csa.com) - [adsabs.harvard.edu](http://adsabs.harvard.edu) - [all 5 versions »](#)

### frequencies and strengths: 5750 to 7965 cm-

RA Toth - APPLIED OPTICS, 1994 - [ao.osa.org](http://ao.osa.org)... 7965 cm<sup>-1</sup> was undertaken through the use of a **Fourier transform spectrometer** at a ... 7500 cm<sup>-1</sup> region from spectra obtained with a **grating spectrometer** having a ...Cited by 67 - [Web Search](#) - [ao.osa.org](http://ao.osa.org) - [csa.com](http://csa.com) - [adsabs.harvard.edu](http://adsabs.harvard.edu)

### Experimental Realization of the Multiplex Advantage with a Hadamard-Transform Spectrometer

JA Decker Jr - Appl. Opt, 1971 - [ao.osa.org](http://ao.osa.org)... is limited by the **grating** size as ... the signal from a Hadamard-transform **spectrometer** lacks the ... the more straight- forward **fourier-transform** spectrometers," and ...Cited by 17 - [Web Search](#) - [csa.com](http://csa.com)

### [PS] A **Fourier transform cavity ring down spectrometer**

R Engeln, G Meijer - Review of Scientific Instruments, 1996 - [rijnh.nl](http://rijnh.nl)... of the normalized interfero- grams with the **Fourier transform** of I ... light source used in the FT-CRD **spectrometer** is not ... 8 and stylr 9. With the **grating** in the ...Cited by 17 - [View as HTML](#) - [Web Search](#) - [link.aip.org](http://link.aip.org) - [adsabs.harvard.edu](http://adsabs.harvard.edu)

### [BOOK] **Fourier Transform Spectrometry**

SP Davis, MC Abrams, JW Brault - 2001 - [books.google.com](http://books.google.com)... than most instruments, the **Fourier transform spectrometer** is a ... idea, in this case **Fourier's** theorem ... of working equation, for example, the **grating** equation, which ...Cited by 22 - [Web Search](#) - [Library Search](#)

### Frequency-domain interferometer for femtosecond time-resolved phase spectroscopy

E Tokunaga, A Terasaki, T Kobayashi - Opt. Lett, 1992 - [ol.osa.org](http://ol.osa.org)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	737201	interfer\$	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:25
L2	548597	spectr\$	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:25
L3	58336	grating	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:25
L4	609000	dispers\$	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:25
L5	61601	fourier	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:25
L6	4168	1 and (2 same 5) and (3 or 4)	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:26
L7	3396	1 and (2 with 5) and (3 or 4)	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:26
L8	293	1 same (2 with 5) same (3 or 4)	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:27
L9	40	8 and 356/451-456.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:31
L10	117	8 and "356"/\$.ccls. not 9	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:36
L11	34	8 and "250"/\$.ccls. not (9 or 10)	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:39
L12	102	8 not (9 or 10 or 11)	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:41
L13	2	HAJIAN-ARSEN-R or ARMSTRONG-THOMAS-J or MOZURKEWICH-DAVID	US-PGPUB; USPAT	ADJ	ON	2006/01/19 14:43
L14	221419	interfer\$	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/19 14:43
L15	187962	spectr\$	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/19 14:43
L16	51103	grating	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/19 14:43
L17	508268	dispers\$	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/19 14:44
L18	20196	fourier	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/19 14:44
L19	45	14 and (15 with 18) and (16 or 17)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/19 14:44